SMART NETWORKING CATALOG

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Hot solutions
Hot Products
CABLETRON SYSTEMS

YOUR E-BUSINESS COMMUNICATIONS SPECIALIST

We're pleased to present the winter edition of Cabletron's Smart Networking catalog!

In this edition, we continue to highlight products like our award-winning SmartSwitch Routers, ranked #1 in Layer 3 switching for three consecutive quarters, as well as our award-winning SmartSwitches; SPECTRUM, our industry-leading management solution; and Digital/Cabletron products like the MultiSwitch 900.

We're also excited to unveil some powerful new products, including our RoamAbout Wireless LAN solutions. Read on to learn more!

And, watch for upcoming information on the latest SmartSwitch Router—the 32000 16-slot chassis. Also, we continue to enhance our VPN portfolio—stay tuned for our new VPN Client for dial-in remote users.

As always, we value your comments. Feel free to e-mail us at **channels.marketing@cabletron.com** to share your thoughts.

Please visit us on the web at **www.cabletron.com** for a complete look at all our Smart Networking solutions.

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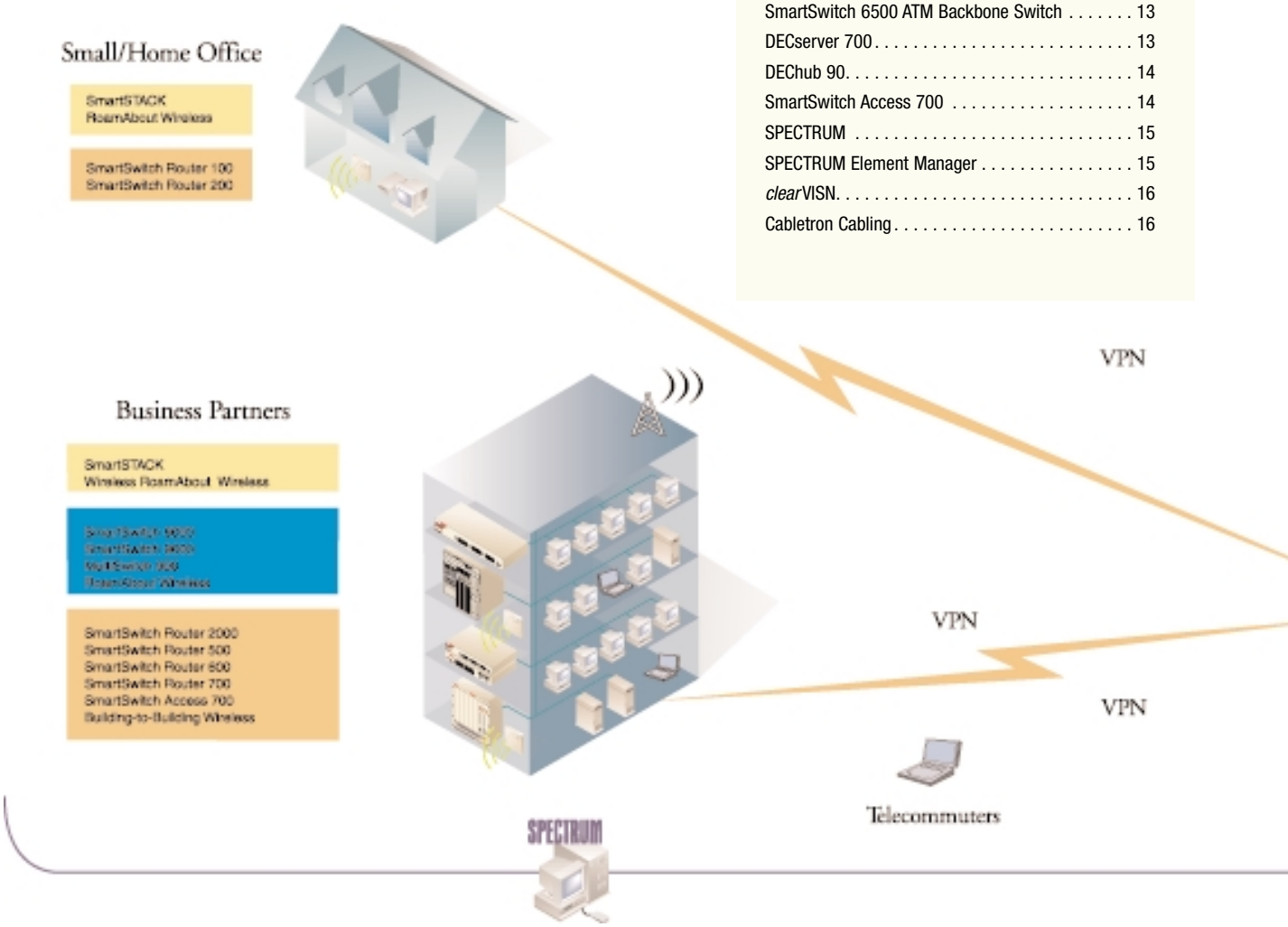

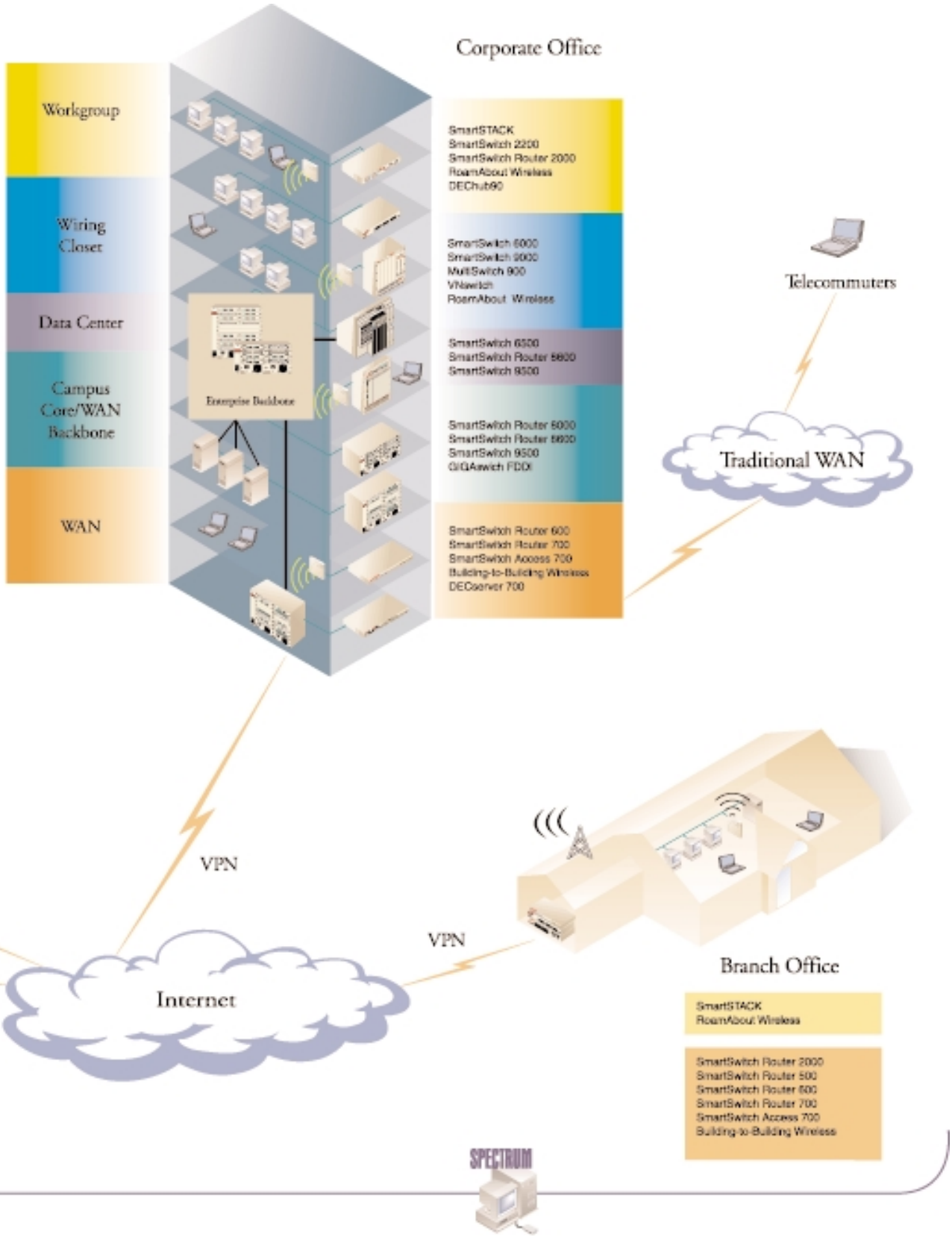
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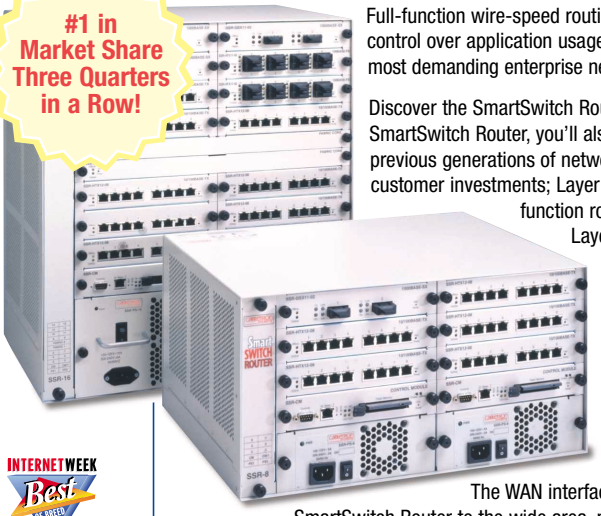
SPECTRUM

THE SMARTSWITCH ROUTER 8000 FAMILY

Gigabit switching and wire-speed routing for the backbone

#1 in Market Share Three Quarters in a Row!



Full-function wire-speed routing at gigabit speeds. Pinpoint control over application usage. The capacity to handle even the most demanding enterprise network traffic. Simplified management.

Discover the SmartSwitch Router. With the standards-based SmartSwitch Router, you'll also find seamless interoperability with previous generations of networking equipment, protecting existing customer investments; Layer 2 switching and wire-speed full-function routing; and the unique ability to switch Layer 4 application flows—extending the functionality well beyond the boundaries of traditional routers. This advanced capability provides pinpoint control of network traffic through extensive security, port-level accounting and comprehensive Quality of Service (QoS)—all at the application level, and all without sacrificing wire-speed performance. The WAN interfaces extend the benefits of the SmartSwitch Router to the wide area, providing application-level control from the desktop, through the LAN and across the WAN.

Features

- Up to 32 Gbps switch fabric; throughput up to 30 million pps
- Up to 120 10/100 ports and 30 Gigabit Ethernet ports per chassis
- Wire-speed IP/IPX routing, unicast and multicast
- Serial and HSSI WAN Interfaces: PPP, Frame Relay
- Hardware-based WAN compression and encryption
- Wire-speed Layer 4 application flow switching, application-level QoS, security filters, and full RMON/RMON2
- VLANs based on port or protocol
- Redundant CPU, power supply and switching fabric
- Hot-swappable media modules
- CoreWatch Java-based management software
- Familiar Command Line Interface (CLI)
- SNMP manageable

The SmartSwitch Router's non-blocking switching fabric delivers full-function unicast and multicast wire-speed IP/IPX routing at gigabit speeds—throughput up to 30 million pps. By routing packets in hardware, the SSR eliminates bottlenecks caused by conventional software-based routers.

The SSR is fully manageable using Cabletron's SPECTRUM network management software. Extensive configuration can be performed using the Enterprise Configuration Manager. The SmartSwitch Router's rich functionality is made easy to use through CoreWatch, a Java-based device management tool that provides extensive configuration and monitoring functionality.

The SSR 8000 family comes in two versions: an 8-slot and a 16-slot chassis. The 8-slot SSR 8000 chassis delivers a 16 Gbps switching fabric capable of more than 15 million pps. It can be configured with up to 56 10/100 ports or 14 Gigabit Ethernet ports. The 16-slot SSR 8600 chassis delivers 32 Gbps through a fully redundant switching fabric capable of more than 30 million pps. It supports up to 120 10/100 ports or 30 Gigabit Ethernet ports. See it on the web at **www.cabletron.com/products/items/SSR**.

Ordering Information

Part #	Description	List Price
SSR-8	SmartSwitch Router (SSR) 8000, 8-slot router chassis, backplane and modular fan (requires SSR-CM2-64, SSR-RS-ENT and SSR-PS-8)	$4,395
SSR-16	SmartSwitch Router (SSR) 8600, 16-slot base system including chassis, backplane, modular fan and a single switch fabric module (SSR-SF-16) (requires SSR-CM2-64, SSR-RS-ENT and SSR-PS-16)	$9,995
SSR-PS-8	SSR 8000 8-slot system power supply, for redundant power	$1,595
SSR-PS-16	SSR 8600 16-slot system power supply, for redundant power	$2,995
SSR-SF-16	SSR 8600 redundant switching module	$4,995
SSR-CM2-64	Chassis control module with 64 MB memory (125,000 routes)	$8,995
SSR-MEM-128	128 MB memory upgrade	$1,995
SSR-RS-ENT	SmartSwitch Router firmware for IP, IPX and more	$3,995
SSR-PCMCIA	PCMCIA card for redundant control module	$495
SSR-HTX12-08-AA	8-port 10/100 TX module Cat 5 RJ45 4 MB memory*	$3,995
SSR-HTX22-08-AA	8-port 10/100 TX module Cat 5 RJ45 16 MB memory*	$5,995
SSR-HFX21-08-AA	8-port 100 FX module MMF SC 16 MB memory*	$11,995
SSR-GSX21-02-AA	2-port 1 GB SX module MMF SC 16 MB memory*	$7,995
SSR-GLX29-02-AA	2-port 1 GB LX module MMF/SMF SC 16 MB memory*	$11,495
SSR-SERC-04-AA	4-port Serial WAN module with compression	$6,495
SSR-SERCE-04-AA	4-port Serial WAN module with compression and encryption (US and Canada Only)	$8,495
SSR-HSSI-02-AA	2-port HSSI module for SSR 8000 and 8600	$10,995
SSR-GLX70-01-AA	1-port 70 km 1000Base-LX Gigabit Ethernet module. 16 MB memory	$10,995

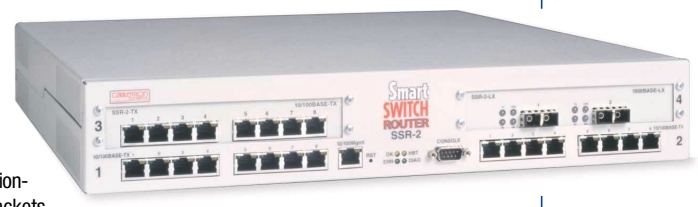
* = 4MB memory modules support 500,000 flows per SSR system, 16 MB modules support 2,000,000 flows per SSR system.

SMARTSWITCH ROUTER 2000

Features

- Industry's first switching router with WAN connectivity
- 8.0 Gbps non-blocking switching fabric
- Wire-speed switching and IP/IPX routing at more than 6 million pps
- 16 10/100Base-TX ports in base configuration
- 2 expansion slots provide flexibility for backbone, server and WAN connectivity
- Includes full Layer 2/3/4 switching at no extra cost
- Application-level control through Quality of Service, security and accounting
- Comprehensive management: Java-based GUI, SPECTRUM, RMON/RMON2
- Built-in redundant power supplies

Application-aware desktop enterprise switch



The SmartSwitch Router 2000 provides high-density, wire-speed 10/100/1000 Mbps switching and routing with throughput over 6 mpps. It delivers application-level control by switching packets at Layer 2, 3 and 4. Push policy-based, application-level QoS to the desktop; protect uplinks and servers with access control lists; gather detailed accounting information with per-port RMON/RMON2; use VLANs, IP Multicast and more. In addition to 16 ports of 10/100Base-TX, the SSR 2000 provides two expansion slots for connectivity to high-speed backbones and local servers as well as the WAN. Populate the slots with LAN and WAN expansion modules, including 2-port Gigabit Ethernet (1000Base-SX or -LX) modules, 8-port Fast Ethernet modules (FX or TX), and 2- or 4-port serial WAN (PPP or Frame Relay) modules. With WAN modules, the SSR 2000 becomes a complete network infrastructure solution for branch offices. See it on the web at **www.cabletron.com/products/items/SSR-2-B-AA/**.

Ordering Information

Part #	Description	List Price
SSR-2-B-AA*	SSR 2000 chassis, 16 ports built-in 10/100 Ethernet, redundant power, 2 open slots	$5,495
SSR-2-PKG-AA*	SSR 2000 chassis, 24 10/100 TX ports and 2 Gigabit Ethernet ports, redundant power, no open slots	$8,995
SSR-2-WAN-AA*	SSR 2000 chassis, 16 10/100 TX ports, 2 serial WAN ports, redundant power, 1 open slot	$6,990
SSR-2-TX-AA	8-port 10/100 TX expansion module	$2,495
SSR-2-FX-AA	8-port 10/100 FX expansion module (configure only one per unit)	$6,495
SSR-2-SX-AA	2-port 1 GB SX MMF SC expansion module (configure only one per unit)	$3,495
SSR-2-LX-AA	2-port 1 GB LX MMF/SMF SC expansion module (configure only one per unit)	$6,495
SSR-2-LX70-AA	1-port 1 GB LX MMF/SMF SC (70 Km reach) (configure only one per unit)	$10,995
SSR-2-SER-AA	2-port Serial WAN module	$2,995
SSR-2-SERC-AA	4-port Serial WAN module with compression	$6,495
SSR-2-SERCE-AA	4-port Serial WAN module with compression and encryption (US and Canada only)	$8,495

*Includes router services software and CoreWatch device management software

SMARTSWITCH ROUTER 2100

Features

- Layer 4 application server load balancing, hardware-based network address translation, and transparent web cache redirect
- 8.0 Gbps switching fabric delivering 9.2 million pps switching and routing throughput
- Extensive QoS support with the ability to allocate application QoS to the desktop
- Security control via Access Control Lists which can be applied at Layer 2, 3 or 4 without compromising performance
- Full SNMP management via SPECTRUM and an extensive Java-based device manager, CoreWatch

Application-aware server load-balancing switch router

The SmartSwitch Router 2100 is a premier Layer 2, 3 and 4 application-aware switch router designed to deliver the functionality of the SSR to both the workgroup and server farm environments. With its Layer 4 switching capacity, application-level control, and full-function IP/IPX routing, it can satisfy even the most traffic-intensive workgroup environments. The SSR 2100 can also be positioned as a Layer 2, 3 and 4 server load-balance switch with up to eight servers connected via 1000Base-SX. It provides eight 1000Base-SX ports which can operate in full or half duplex mode. Each port may be configured as a switched or routed port. See it on the web at **www.cabletron.com/products/items/SSR-2-GSX/**.

Ordering Information

Part #	Description	List Price
SSR-2-GSX	SSR 2100 fixed configuration with 8 ports 1000Base-SX. (Includes redundant power supplies, router services software and CoreWatch device management software)	$14,995

SMARTSWITCH ROUTER 700 FAMILY

Multi-T1/E1 VPN Termination Router

Ideal for connecting central or regional locations to many branch or business partner sites, the SSR 700 family is perfect for customers who require a mix of traditional WAN access at T1/E1 speeds, with VPNs and backup capability.The SSR 700 family provides flexible connectivity using traditional leased line, Frame Relay PVC or SVC, X.25, V.25bis or VPNs. The SSR 710 provides two primary rate ISDN ports and four serial T1/E1 ports while the SSR 720 offers eight serial T1/E1 ports. Equipped with dual 10Base-T Ethernet ports, the SSR 710 also serves as a VPN gateway between an existing router and the enterprise. See them on the web at **www.cabletron.com/vpn**.

Features

- Extends enterprise connections securely and cost effectively across the Internet and other public network services with Virtual Private Networks
- Support for all major network protocols including IP, IPX, AppleTalk, DECnet and bridging, and all major routing protocols including RIP, OSPF, EGP, BGP-4 and PIM
- Support for V.35, X.21, RS232, RS 530A and RS 422/449, WAN serial port interfaces
- Multiple ports enable automatic failover from primary to secondary circuit
- Powerful graphical user interface (GUI) tools for simplified user setup and configuration for all features
- Flexible installation: may be desktop or rack mounted

Ordering Information

Part #	Description	List Price
SSR-710-T1	Central router, 2 10Base-T, 4 serial, 2 PRI/T1	$6,995
SSR-720	Central router, 2 10Base-T, 8 serial	$5,995
SSR-700-VPN	VPN software with 56-bit DES encryption	$495
SSR-700-VPN+	VPN software with 168-bit 3 DES encryption (subject to import and export restructions)	$995

SMARTSWITCH ROUTER 600

VPN Gateway

The SSR 600 combines the latest hardware and software technologies to allow corporate enterprises to create secure links between branch offices and central sites using Internet VPN services or traditional WAN services such as leased lines, ISDN and Frame Relay. It is also designed for use at the boundary between a corporate intranet and the Internet, providing secure high-speed access to the corporate intranet for remote users, branch offices, partners and customers utilizing the Internet as a means of physical connection. As customers continue to expand their use of the Internet to conduct business, the SSR 600 provides a solid migration path for implementing and deploying VPN solutions within the enterprise. The SSR 600 is available as a standalone product (SSR-600) or as an HSIM (HSIM-SSR-600), for integration with next-generation SmartSwitch 2000, 6000 and 9000 platforms. See it on the web at **www.cabletron.com/vpn**.

Features

- VPN support extends enterprise connections securely across the Internet and other public network services
- Optional hardware encryption and compression module provides high-performance VPN capabilities
- Multiprotocol routing support includes IP, IPX, AppleTalk, DECnet and bridging
- Comprehensive datalink support includes PPP, Multilink PPP, Frame Relay PVCs and SVCs, and X.25
- Bandwidth reservation and telesaving features maximize available bandwidth and minimize cost
- Flexible, modular Sliding WAN Physical Interfaces (SWPIMS) provide a variety of WAN interface choices
- Dual PSU and UPS options provide high availability and power redundancy
- Powerful GUI tools allow simple configuration and setup

Ordering Information

Part #	Description	List Price
SSR-600-S	SSR 600 with two SWPIM slots and two 10/100 Ethernet, CRS, single power supply	$2,495
SSR-600-D	SSR 600 with two SWPIM slots and two 10/100 Ethernet, CRS, redundant power supplies	$2,995
SSR-600-VPN	VPN software with 56-bit DES encryption	$495
SSR-600-VPN+	VPN software with 168-bit DES encryption (subject to export and import restrictions)	$995
SWPIM-BRI	Sliding WAN Physical Interface Module supporting ISDN U (two wire analog) and ISDN S/T (four wire digital) TE or NT	$495
SWPIM-DDS	Sliding WAN Physical Interface Module supporting 56 Kbps and 64 Kbps clear channel with built-in CSU/DSU	$695
SWPIM-T1	Sliding WAN Physical Interface Module supporting full and fractional T1, built-in CSU/DSU for ANSI T1.403	$825
SWPIM-SY	Sliding WAN Physical Interface Module, Synchronous/Asynchronous interface supporting V.35, X.21, EAI-449, EIA-530, EIA-530A and EIA-232-D (Requires external CSU/DSU and modem interface cable)	$495
SSR-600-ECM	Optional Hardware Encryption/Compression Module (Required for DES/3DES encryption for VPN)	$995

SMARTSWITCH ROUTER 500 FAMILY

Features

- All major network protocols, datalinks and interfaces
- High availability, high reliability WAN reroute and restoration with two ports enabling automatic failover from primary to secondary circuit
- Telesaving features for lower transmission costs along with Multilink PPP, bandwidth on demand, filtering compression, spoofing, and bandwidth reservation for optimized bandwidth utilization
- Easy configuration and management through Quickconfig, CLI or GUI with software preloaded in Flash and easy TFTP upgrades
- IPSec and L2TP for secure site-to-site VPN connections through the Internet

Multiprotocol VPN Edge Router

The SmartSwitch Router 510 and 520 offer a flexible remote office, branch office (ROBO) solution to connect to the corporate network or the Internet.

Both feature one 802.3 Ethernet port. The SSR 520 offers two high-speed serial lines at up to T1/E1 speeds, while the SSR 510 offers one serial interface and one basic rate ISDN interface. The two WAN interfaces on the SSR 500 products can be used for flexible combinations of backup, additional bandwidth VPN and traditional WAN connectivity.

The SSR 510 and 520 multiprotocol routers support all major bridging and routing of protocols such as TCP/IP, IPX, AppleTalk, DECnet Phase IV and DECnet/OSI over a variety of WAN services, including leased line (PPP), Frame Relay, X.25, dial backup and VPN connections. See them on the web at **www.cabletron.com/vpn**.

Ordering Information

Part #	Description	List Price
SSR-510	Remote Office/Branch Office (ROBO) Router, 10Base-T 1 WAN Serial, 1 BR–ISDN S/T	$1,695
SSR-520	Remote Office/Branch Office (ROBO) Multiprotocol Router, 10Base-T, 2 WAN serial	$1,595
SSR-500-VPN	VPN software with 56-bit DES encryption	$195
SSR-500-VPN+	VPN software with 168-bit DES encryption (subject to export and import restrictions)	$295

SMARTSWITCH ROUTER 200 FAMILY

Features

- Powerful TCP/IP and IPX routing and bridging provide multiprotocol connectivity to the Internet and corporate networks
- DHCP and NAT allow for easy installation and flexible addressing
- Firewall and VPN software options provide secure connections to the Internet for critical business traffic
- Graphical configuration utilities, Telnet and SNMP management deliver award-winning ease of use and simplified configuration

DSL and Cable VPN routers for the small office

The SmartSwitch Router 200 family is ideal for connecting small offices and telecommunters to high-speed broadband services like DSL and cable. It provides superior functionality for business use, including robust bridging and routing capabilities, firewall and VPN security features, integrated voice and data connectivity and DHCP and NAT address management capabilities.

The SSR 250 provides connection to ADSL services over existing copper wire at up to 8 Mbps downstream and 640 Kbps upstream.The FP 2200 series provides connection to SDSL services with symmetric data rates up to 2 Mbps downstream and upstream. The FP 2200V integrates voice and data over the SDSL service. The SSR 245 provides an ideal solution coupled with a cable modem for data communications over cable TV service. See them on the web at **www.cabletron.com/vpn**.

Ordering Information

Part #	Description	List Price
SSR245	4-port 10Base-T hub to 10Base-T Ethernet for cable or DSL modem connectivity	$649
SSR250	10Base-T Ethernet to ADSL/GMT/G.lite	$649
FP144 16 & 18	4-port 10Base-T hub to IDSL	$499
FP2200	4-port 10Base-T hub to SDSL	$599
FP2200V	4-port 10Base-T hub to SDSL with 4 POTS ports (Please refer to www.flowpoint.com)	$999
SSR100/200-FWL	Firewall software option	$299
SSR100/200-VPN	VPN software with 56-bit DES encryption	$99
SSR100/200-VPN+	VPN software with 168-bit 3DES encryption (subject to export and import restrictions)	$295
SSRXXX or FPXXX-PRM	Flowpoint Router plus firewall, VPN, SVPN software (factory installed)	$199
SSR/FP-UPG	Fields updates for SSR100/200/FPXX/products	

SMARTSWITCH ROUTER 100 FAMILY

ISDN router for the small office or home office

The SmartSwitch Router 100 is ideal for connecting telecommuters, home and remote office workers to ISDN or IDSL wide area network services.

The SSR 100 provides quick and easy connectivity via ISDN or IDSL WAN networks for secure, business-critical communications.Optional firewall and VPN software features allow remote offices to connect through the Internet to their corporate networks or to business partners. In addition, the SSR 100 provides optional two-line local analog support for convenient, low-cost use of standard telephone, facsimile and answering machine equipment over a single ISDN line.

The SmartSwitch Router 100 allows LAN users to connect to a service provider in minutes. A rich set of features automatically configures the SmartSwitch Router 100, including auto-detection of switch type and SPID, to eliminate the need for manual entry of this information. See it on the web at **www.cabletron.com/products/items/SSR100/**.

Features

- Plug-and-play SOHO remote access
- 128 Kbps data transfer rates
- Multiuser LAN sharing of ISDN or IDSL service
- Simultaneous access to two NSPs
- IP, IPX routing and bridging
- ISDN dial-up or IDSL dedicated circuits
- Comprehensive network management tools
- Windows 98 and NT point-and-click configurator
- Optional dual POTS ports for integrated voice and data

Ordering Information

Part #	Description	List Price
SSR-150	1 Ethernet LAN port, 1 ISDN U WAN port, 2 POTS ports	$725
SSR-140	1 Ethernet LAN port, 1 ISDN S/T WAN port, 2 POTS ports	$725
SSR-130	1 Ethernet LAN port, 1 ISDN U/WAN port	$565
SSR-115	4-Port Ethernet hub, 1 ISDN S/T WAN port	$675
SSR-110	1 Ethernet LAN port, 1 ISDN S/T WAN port	$565

ROAMABOUT WIRELESS LAN SOLUTIONS

Access point and outdoor LAN connectivity for better mobility

RoamAbout wireless LAN products provide simple, secure and economical setups of LAN data networks. From 60 to 200 users can now count on dependable, Ethernet-like performance on wireless LAN connections.

Offering full compliance with the IEEE 802.11b high rate standard, the RoamAbout product family consists of two components: an 11 Mbps wireless Ethernet Adapter Card which provides radio connectivity from client devices to the wireless network access point, and the RoamAbout Access Point 2000, the wireless network to the wired LAN.

Other options available include devices for desktop PC connectivity, range extending indoor antennas, demo packages and bulk packs. See it on the web at **www.cabletron.com/wireless**.

Features

- Users can access shared information on the fly (without having to plug in), and network managers can set up or augment networks without installing or re-routing cabling runs
- Unmatched mobility delivers real-time info access—anywhere, anytime
- Seamless roaming throughout a site
- Build connections to difficult locations which would otherwise not be serviced by computer networks
- Quick, easy installation
- No customer license required
- Access point can be remotely powered over the network data cable

Ordering Information

Part #	Description	List Price
CSIWS-AA	Access Point with remote powering option (requires 1 radio card/CSIBD-AA)	$799
CSIBD-AA	Ethernet Adapter Card, 11 Mbps, 40-bit signal encryption	$199
CSIBD-AA-128	Ethernet Adapter Card, 11 Mbps 128-bit signal encryption	$249
CSI6D-AA	Ethernet Adapter Card, 6 pack of CSIBD-AA	$1,149
CSI6D-AA-SP6	Startup pack, 1 access point, 6 cards, 1 optional antenna	$1,999
CSIED-AA	11 Mbps outdoor solution package	

Features

- High-density Ethernet/Fast Ethernet switching performance with flexible uplinks to FDDI, ATM, Fast Ethernet, Gigabit Ethernet and WAN connectivity
- Layer 3 and Layer 4 classification allows prioritization filtering and security features based on network and application information
- Aggregate throughput exceeding 10 million pps and bandwidth exceeding 16.5 Gbps
- Supports from 16 to 120 10/100 Mbps switched Fast Ethernet ports, 24 to 240 switched Ethernet ports, or a combination of both
- Protects investments by enhancing performance on your existing Ethernet infrastructure
- Broadcast storm control, RMON, port mirroring and port trunking for optimum performance

10/100 switching with Gigabit Ethernet, ATM or FDDI uplinks

The SmartSwitch 6000 modular switch is a high-performance, cost-effective solution that can help you get the most out of your wiring closet or departmental network investment.

The SmartSwitch 6000's five-slot, chassis-based switching platform is designed to accommodate a wide range of port densities in Cabletron's end-to-end line of LAN, WAN and ATM SmartSwitches. Additionally, as companies migrate from traditional data networks to integrated voice, video and data environments, it will be able to cost-effectively accommodate these converging requirements from a single platform.

The SmartSwitch 6000's modular design lets you grow and adapt your network environment as your needs change while ensuring consistent, reliable performance. It integrates seamlessly into your existing Ethernet network, providing optimized 10/100 Mbps switched Ethernet services—simply choose the modules that fit your configuration requirements. A single SmartSwitch 6000 chassis supports up to five interface modules, as well as two load-sharing, redundant power supplies.

Some modules feature flexible interface options—PIMs, HSIMs or VHSIMs—which allow customized configuration of the SmartSwitch series to meet any high-speed LAN or WAN connection requirement. (For more information about Cabletron's HSIMs and VHSIMs, refer to page 8.) See them on the web at **www.cabletron.com/switching/**.

The SmartSwitch 2000 series are standalone versions of the SmartSwitch 6000 modules, offering a smaller form factor and lower individual costs while providing the same features as the SmartSwitch 6000. See it on the web at **www.cabletron.com/switching/**.

Ordering Information

Part #	Description	List Price
SmartSwitch 6000		
6C105	5-slot chassis with modular fan tray and two slots for power supplies	$2,995
6C205-2	510 Watt DC (36 to 72 Volts) power supply	$2,795
6C205-3	510 Watt AC (100 to 250 Volts) power supply	$1,235
6H262-18	16 10/100 UTP RJ45 Ethernet ports, 2 Gigabit Ethernet ports (supports optional GBICs)	$5,995
6H258-17	16 MT-RJ 100Base-FX MMF Ethernet ports, 1 VHSIM slot	$12,995
6H252-17	16 10/100 UTP RJ45 Ethernet ports, 1 VHSIM slot	$6,495
6H202-24	24 10/100 UTP RJ45 Ethernet ports	$6,995
6E233-49	48 Ethernet ports, telco connections, 1 HSIM slot	$7,495
SmartSwitch 2000		
2H258-17R	16-port 100Base-FX SmartSwitch 2200 workgroup switch via MTRJ connectors with redundant internal power supplies and one VHSIM slot	$12,995
2E253-49R	SmartSwitch 2200 with 48 Ethernet ports via 4 telcos (RJ21s), one HSIM/VHSIM slot, and redundant power (purchase HSIM/VHSIM separately)	$5,995
2H252-25R	SmartSwitch 2200 10/100 Fast Ethernet Workgroup Switch with 24 ports via RJ45 interfaces and VHSIM slot (purchase VHSIM separately)	$4,995
2E42-27R	SmartSwitch 2200 with second power supply, 24 switched 10Base-T ports via RJ45s, two FEPIM slots, and one HSIM slot (purchase FEPIMs and HSIM separately)	$6,395

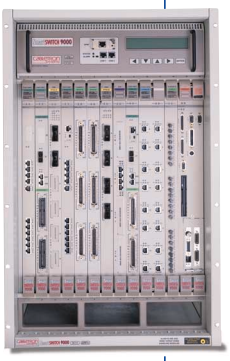
NSTL A CMP Company

1999 Network Computing Well-Connected Finalist

Network Computing Best Value

SMARTSWITCH 9000

Modular 14- or 6-slot switching system



A tireless workhorse for larger, more demanding applications, the SmartSwitch 9000 is designed for zero downtime. The advanced, multi-tiered backplane supports all existing and future networking technologies, including Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring, FDDI, WAN and ATM.

With aggregate bandwidth of up to 46 Gbps in the 14-slot chassis (more than 20 Gbps in the 6-slot version), the SmartSwitch 9000 family can deliver the necessary applications and services for most bandwidth-intensive work environments. Some modules feature flexible interface options—PIMs, HSIMs or VHSIMs—which allow customized configuration to meet any high-speed LAN or WAN connection requirement. See it on the web at **www.cabletron.com/switching/9000**. (For more information about Cabletron's HSIMs and VHSIMs, see below.)

Features

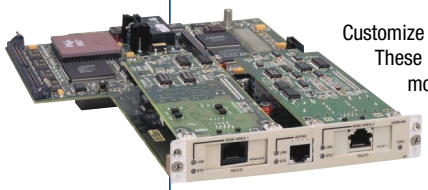
- Any-to-any connectivity: Ethernet, Token Ring, Fast Ethernet, FDDI, Gigabit Ethernet, ATM, WAN/Frame Relay
- High port density across all technologies
- Distributed switching architecture
- Completely redundant management system
- Throughput expandable to 46 Gbps in 14 slot or 20 Gbps in 6 slot
- Per-port RMON
- SmartTRUNK port trunking
- Layer 3 and Layer 4 features

Ordering Information

Part #	Description	List Price
9C114	SmartSwitch 9000 14-slot chassis	$7,150
9C214-3	AC 2000 Watt power supply for 14 slot	$6,495
9C300-1	Environmental module for 14 slot	$3,379
9C106	SmartSwitch 9000 6-slot chassis	$4,495
9C206-1	AC power supply for the 6 slot	$2,195
9C306	System monitor module for the 6 slot	$1,195
9H531-17	16 100Base-FX Fast Ethernet switch ports via MTRJ interfaces and one VHSIM interface slot	$19,995
9H531-18	16 10/100 Fast Ethernet switch ports via RJ45 interfaces and two GPIM slots	$19,995
9H533-24	24 10/100 Mbps ports via two RJ21 connectors	$16,995
9H532-24	24 10/100 Fast Ethernet switch ports via RJ45 interfaces	$23,995
9G536-04	4 Gigabit Ethernet switch ports via 4 GPIM interface slots	$23,995

HSIMS AND VHSIMS

Flexible interface options for the SmartSwitch family



Customize configuration of the SmartSwitch 2000, 6000 and 9000. These user-configurable interfaces plug into selected switching modules and provide connectivity to FDDI, Fast Ethernet, Gigabit Ethernet, ATM, VPN or WAN environments. See them on the web at **www.cabletron.com/products/items/HSIM**.

Features

- Full integrated into the SmartSwitch family
- Industry's most complete range of technology and media options
- Investment protection—seamless upgrade path to next-generation technologies
- Easy to install

Ordering Information

Part #	Description	List Price
VHSIM-A6DP	ATM VHSIM	$3,995
VHSIM-G6	Gigabit Ethernet VHSIM with connectivity provided via hot-swappable GPIMs	$1,995
HSIM-A6DP	ATM HSIM. Supports two APIMS, both purchased separately. One primary port, one redundant	$3,145
HSIM-F6	FDDI HSIM. Supports two FPIMs, purchased separately	$2,295
HSIM-FE6	Fast Ethernet HSIM with two FEPIM slots. Purchase FEPIMs separately	$1,295
HSIM-G01	Gigabit Ethernet HSIM. Single port support via P802.3z 1000Base-SX MMF SC	$3,595
HSIM-G09	Gigabit Ethernet HSIM. Single port support via P802.3z 1000Base-LX MMF/SMF SC	$3,995
HSIM-W6	Wide area network (WAN) HSIM with two WPIM slots. Supports both bridging and IP/IPX routing	$3,495
HSIM-W84	4-port WAN HSIM. Supports four T1 interfaces via four RJ48C interfaces. Supports IP/IPX routing	$5,995
HSIM-W85	WAN HSIM with 8 T1 ports and one Ethernet port	$8,995
HSIM-87	WAN DS3 HSIM	$10,995
HSIM-SSR-600	HSIM-SSR-600 with dual SWPIM slots, 10/100 Ethernet, CRS (VPN enabled)	$2,995

SMARTSTACK ELS100 SERIES

Features

- 4.2 Gbps switching fabric delivers wire-speed throughput in both half and full duplex modes
- 10/100 Mbps auto-negotiation for fastest possible transmit and receive speed
- Network-ready, via BootP and DHCP plug-and-play installation features
- Traffic prioritization, per the IEEE 802.1p priority queuing standard, supports time-sensitive applications such as voice and video streaming
- Tag- and port-based VLANs, per the IEEE 802.1Q VLAN standard, allow the ELS100 to seamlessly integrate into multivendor networks
- ELS100-S24TX2M and ELS100-24TX1M support additional features like IGMP snooping
- 802.3X Flow Control

Wire-speed Fast Ethernet for the SmartSTACK family

Cabletron's SmartSTACK Fast Ethernet switches provide 24 RJ45 ports of fully-managed, wire-speed 10/100Base-TX connectivity for the connection of high-performance file servers, user workgroups, 10 Mbps desktop switches and shared access hubs. The ELS100 product family features a modular expansion slot to support both multimode and single mode fiber uplinks, as well as switched Gigabit Ethernet uplinks. The modular uplinks are an ideal solution for connecting the SmartSTACK Fast Ethernet Switch to a backbone network.

Wire-speed performance and industry-leading features allow SmartSTACK Fast Ethernet switches to be integrated into small to medium-sized networks, as well as to provide ideal enterprise switching solutions. A frame forwarding capacity of 6.0 million packets per second allows simultaneous wire-speed switching on every port. These switches also offer full 802.1D bridging capability, including support for redundant links through the Spanning Tree protocol. Additional features include support for IEEE 802.1Q tagged VLANs, IEEE 802.1p traffic prioritization for multiple Quality of Service levels, and extensive traffic management and network management capabilities.See them on the web at **www.cabletron.com/products/items/ELS100-24TXx**.

Ordering Information

Part #	Description	List Price
ELS100-24TXM	SmartSTACK Fast Ethernet switch; 24 port 10/100Base-TX with one slot for modular uplink	$2,995
ELS100-24TXG	SmartSTACK Fast Ethernet switch, 24 port 10/100 Base-TX with 2 Gigabit Ethernet uplink slots (supports optional GBICS)	$3,995
ELS100-S24TX2M	SmartSTACK Fast Ethernet switch, 24 port 10/100 Base-TX with optional management slot and 2 expansion slots	$2,595
ELS100-24TX1M	SmartSTACK Fast Ethernet switch, 24 port 10/100 Base-T with 1 Fast Ethernet modular uplink slot	$1,995

SMARTSTACK ELH100 SERIES

Features

- 12 or 24 dual-speed ports that adjust automatically to 10 or 100 Mbps—matching the speed of the attached device
- May be stacked together (up to 6 high) to form a dual-speed network of up to 144 ports, or can be rack mounted in standard 19" racks
- Optional switch/media expansion modules provide 10Base-T/100Base-TX and 100Base-FX media types and a switched connection to the stack
- Optional management module provides a broad range of management options including SNMP and a web agent for access with a browser
- Four groups of RMON
- Complies with industry standards including IEEE 802.3, SNMP and HTTP
- Supports IP, BootP, TCP/IP, SNMP, HTTP, Telnet, TFTP and SLIP as well as all relevant MIBs

Dual-speed 12- and 24-port hubs for the SmartSTACK family

Designed for customers who need a simple, affordable and scalable Fast Ethernet solution, Cabletron's SmartSTACK ELH100 Series consists of two modular and stackable dual-speed hubs which provide industry-standard 10 Mbps Ethernet and 100 Mbps Fast Ethernet connectivity to end stations, servers and other compatible devices.

The SmartSTACK ELH100 Series provides an ideal solution for upgrading your network to Fast Ethernet without replacing your existing infrastructure. The SmartSTACK ELH100-12/24TX provides 12 or 24 ports of 10/100 shared Ethernet, an optional management module that supports SNMP/RMON and web agents, and optional modules that provide switched copper or fiber connections.

Use the SmartSTACK Series to meet the needs of most users for common file transfer, or use the 100 Mbps bandwidth to relieve serious network congestion, run multimedia applications or satisfy power users. See them on the web at **www.cabletron.com/products/items/ELH100-xxTX/**.

Ordering Information

Part #	Description	List Price
ELH100-12TX	12-port 10/100 TX hub, base unit	$995
ELH100-24TX	24-port 10/100 TX hub, base unit	$1,295
ELH100-SNMP	Management module	$595

MULTISWITCH 900 AND NEW MULTISWITCH 900-4

Multigigabit switching and next-generation LAN capability

The MultiSwitch 900 is a flexible, multigigabit switching system that delivers a broad range of networking solutions—from simple, shared LAN connectivity to high-speed multitechnology switching. Its unique software-definable backplane provides a high-performance, distributed switching fabric, supporting the seamless integration of Ethernet, Fast Ethernet, Gigabit Ethernet, FDDI and ATM while also supporting WAN technologies as well as access servers. In addition, Fast Ethernet is supported on the VNbus and 12 user-definable channels.

The new MultiSwitch 900-4 is a 4-slot version. It features support for up to 2 VNbus, 4 ATM, 4 FDDI and 12 user-defined Ethernet or Fast Ethernet backplane channels. The management module is hot swappable, with a removable configuration chip. See them on the web at **www.cabletron.com/digital/dr/npg/dmhub-mn.html** and **www.cabletron.com/digital/dr/npg/dlhub-mn.html**.

Features

- Integral SNMP hub management
- Provides redundant, high-availability power system
- User installable: includes wall and rack-mount hardware
- Aggregate bandwidth of 5.6 Gbps
- Firmware upgrade support provides simple implementation of emerging technologies without hardware upgrades
- Supports multimedia

Ordering Information

Part #	Description	List Price
DMHUB-AA	MultiSwitch 900, an 8-slot intelligent hub with one power supply and wall/rackmount kit	$3,600
H7894-MA	MultiSwitch 900 power supply	$1,015
DLHUB-XX	MultiSwitch 900-4	$2,695

VNSWITCH 900 FAMILY

High-performance, multitechnology, multilayer switches

Give your LANs a gigabit boost with virtually unlimited flexibility to build and expand your network. Simply install any VNswitch 900 module, and you're there. Now you have access to line-rate Layer 2 switching, Layer 3 IP routing and seamless integration of Ethernet, Fast Ethernet, FDDI and ATM across a high-speed backplane. There's no better way to supercharge your LAN while protecting your investments.The VNswitch 900 family of high-performance, multitechnology, multilayer switches includes a variety of modules. See them on the web at **www.cabletron.com/digital/dr/npg/index-az.html/#v**.

Features

- Superior price/performance with 1.2 Gbps throughput per switch and an onboard switching capacity of up to 750,000 pps
- Seamless technology migration and integration across Ethernet, Fast Ethernet, Gigabit Ethernet, FDDI and ATM
- Maximium bandwidth with Layer 2 switching and integral Layer 3 IP routing
- Standalone with a DEChub One or in the MultiSwitch 900 and MultiSwitch 900-4 platforms

Ordering Information

Part #	Description	List Price
DVNLL-MA	VNswitch 900LL, 24 switched ports 10 MB Ethernet ports, 12-ports of switched 10Base-FL Ethernet plus 122 additional switched Ethernet segments	$10,200
DVNXA-MX	VNswitch 900XA, 2-port switched Fast Ethernet and 1-port switched ATM	$7,480
DVNFA-MX	VNswitch 900FA, 1-port switched FDDI and 1-port switched ATM	$10,710
DVNEF-MX	VNswitch 900EF, 1-port switched FDDI (modular) and 12-port switched 10Base-T Ethernet	$8,840
DVNEA-MX	VNswitch 900EA, 1-port switched ATM and 12-port switched 10Base-T Ethernet	$9,515
DVNEE-MA/DVNEE-PA	VNswitch 900EE, 24-port switched 10Base-T Ethernet/3 pack	$8,995/14,995
DVNEF-MM	VNswitch 900EF, 1-port switched FDDI (ANSI MMF port pair SAS or DAS) and 12-port switched 10Base-T Ethernet	$10,195
DVNEX-MX	VNswitch 900EX, 2-port switched Fast Ethernet and 12-port switched 10Base-T Ethernet	$6,375
DVNXX-MX/DVNXX-PA	VNswitch 900XX, 4-port switched Fast Ethernet/3 pack	$4,995/$9,990
DVNCC-MA/DVNCC-PA	16-port 10/100 TX Fast Ethernet switch/3 pack	$5,495/$12,995
DVNCG-MX	8-port 10/10 TX Fast Ethernet switch and 1 Gigabit Ethernet port (supports optional GBICs)	$5,500

MULTISWITCH FAST ETHERNET 924TXG AND 916TXG

Features

MS924TXG

- 24 10/100 ports (RJ45)
- 1 modular Gigabit Ethernet port
- MultiSwitch 900 Fast Ethernet backplane support
- 4.2 Gbps internal switching fabric
- IEEE 802.1Q/p compliant
- Tag- and port-based VLANs

MS916TXG

- 16 10/100 ports (RJ45)
- 2 modular Gigabit Ethernet ports
- MultiSwitch 900 Fast Ethernet backplane support
- 4.2 Gbps internal switching fabric
- IEEE 802.1Q/p compliant
- Managed by *clear*VISN

High-density switched Fast Ethernet with Gigabit uplinks

The MultiSwitch 924TXG and MultiSwitch 916TXG bring high-density switched Fast Ethernet with Gigabit Ethernet uplinks to the MultiSwitch 900 platform.

Using the 12 Fast Ethernet channels across the MultiSwitch 900 backplane, the MultiSwitch 924TXG and MultiSwitch 916TXG allow the MultiSwitch 900 user to tie in their existing Ethernet and Fast Ethernet repeaters and port switches and allocate bandwidth where needed. Both switches are IEEE 802.1Q and 802.1p compliant offering industry-standard VLAN and priority queuing support.

As with all MultiSwitch 900s both switches can be used as a standalone with the DEChub1 or modular in either the 8- or 4-slot MultiSwitch 900 chassis.

See them on the web at **www.cabletron.com/digital/dr/npg/dfetx-ma-mn.html** and **www.cabletron.com/digital/dr/npg/dfetx-mb-mn.html**.

Ordering Information

Part #	Description	List Price
DFETX-MA	MultiSwitch Fast Ethernet Switch 924TXG, 24-port 10/100, 1 modular Gigabit Ethernet port	$4,500
DFETX-MB	MultiSwitch Fast Ethernet Switch 916TXG, 16-port 10/100, 2 modular Gigabit Ethernet ports	$3,600
GPIM-01	1000Base-SX GBIC	$695
GPIM-09	1000Base-LX GBIC	$1,695

MULTISWITCH FAST ETHERNET HUB 924TX

Features

- 24 shared Fast Ethernet ports per module
- Extremely competitive per-port pricing
- Installs in seconds
- Maximizes uptime with hot-swap capability
- SNMP management, IP services and low-cost management with *clear*VISN management software
- MultiSwitch900 backplane connectivity with 12 user-defined Ethernet and Fast Ethernet backplane channels

Shared Fast Ethernet for the MultiSwitch 900

The MultiSwitch Fast Ethernet Hub 924TX brings high-density shared Fast Ethernet to the versatile MultiSwitch 900 at a very low cost per port.

Featuring 24 ports of Fast Ethernet plus two expansion slots, this fully featured hub lets you use port group switching to segment networks and allocate bandwidth efficiently.
The Hub 924TX provides SNMP management and IP services. Like all other MultiSwitch 900 modules, it installs in seconds and offers hot-swap capability. Plus, easy, low-cost management is provided with *clear*VISN management software. See it on the web at **www.cabletron.com/digital/dr/npg/dlmt2-mn.html**.

Ordering Information

Part #	Description	List Price
DLMT2-MA	MultiSwitch Fast Ethernet Hub 924TX, 24-port 100Base-T hub, 2 modular FX ports	$3,500
DEXYM-BA	100 BufFX modular media interface (MMI) with SC connector	$895

GIGASWITCH FDDI

Enterprise-class backbone switching for FDDI, Fast Ethernet and ATM

Maximize the performance of your FDDI backbone and build a path to new technologies. This multitechnology switch delivers industry-leading performance, scalability and reliability—all at a price you can afford.The GIGAswitch/FDDI system is the only FDDI switch that uses a crossbar switching fabric to handle the demands of multitechnology backbones, supporting FDDI, Fast Ethernet and ATM technologies.

The versatile GS2000 ATM-FDDI linecard plugs into the GIGAswitch/FDDI or GIGAswitch/ATM, giving you a smooth, cost-effective way to integrate FDDI and ATM. Through its advanced command-line interface, you can configure up to 16 logical ports, and IP routing can be enabled at no additional cost. Modular inserts provide flexible media connectivity to DS3/E3 and the WAN. See it on the web at **www.cabletron.com/digital/dr/npg/defga-mn.html**.

Features

- Reduces bottlenecks for multitechnology backbones with support for full-duplex FDDI, Fast Ethernet and ATM
- Increases performance and reduces latency with optional IP packet switching, allowing for more efficient use of routers for firewalls and WAN access
- Reduces the cost of entry for high-performance switching with affordable 2-port or 4-port packaged systems
- Protects investments with support for Fast Ethernet LANs and seamless growth from FDDI to multiple technologies

Ordering Information

Part #	Description	List Price
DEFGA-FA	2-port GIGAswitch/FDDI system	$24,400
DEFGA-EA	4-port GIGAswitch/FDDI system	$25,500
DEFGA-DA	4-port GIGAswitch/FDDI system with 4 SAS MIC PMDs	$27,500
DEFGL-AA	2-port SAS or DAS FDDI linecard	$9,265
DEFGL-BA	4-port SAS only FDDI linecards	$11,135
DEFGF-AA	4-port Fast Ethernet linecard for GIGAswitch/FDDI system	$8,995
DEFGC-AA	2-port GS2000 linecard for GIGAswitch/FDDI and GIGAswitch/ATM systems	$8,925

SMARTSWITCH 9500 ATM SWITCHING SYSTEM

Flagship broadband ATM switching system

The SmartSwitch 9500 enterprise-class switch chassis scales to support up to 14 modules, and has a 34 Gbps non-blocking cell switch capacity. Capable of being configured to support both ATM and frame-based technologies, it protects investments in traditional LAN devices while providing a seamless migration to state-of-the-art ATM switching.

A fully loaded 14-slot can support over 500 LAN ports or 224 ATM ports, while the scaled-down 6-slot accommodates over 200 LAN ports or 96 ATM ports.

The SmartSwitch 9500 is an extension of the industry-leading SmartSwitch 9000 and is designed to support all existing and future networking technologies, including Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring, FDDI, SNA, WAN and ATM. See it on the web at **www.cabletron.com/products/items/9C7xx**.

Features

- Cell Transfer Matrix supports 182 point-to-point links between modules in a high-bandwidth, fully redundant mesh
- Concurrently supports any combination of both LAN/frame and ATM/cell-based technologies
- Distributed management framework allows management and control of up to 14 9A686-04 modules via a single IP address
- Distributed switching architecture delivers complete fault tolerance, eliminating downtime
- Supports the latest relevant ATM Forum standards, including UNI 4.0, TM 4.0 and PNNI 1.0
- SNMP manageable with SPECTRUM, SmartSwitch ATM Administrator and other management platforms
- Port Density—OC-3: 224; OC-12: 112, OC-48: 28

Ordering Information

Part #	Description	List Price
9C714	SmartSwitch 9500 14-slot chassis with the Cell Transfer Matrix passive backplane	$9,995
9C706	SmartSwitch 9500 6-slot chassis with the Cell Transfer Matrix passive backplane	$5,995
9C214-1	SmartSwitch 9000 intelligent 1000 watt AC power supply module	$3,495
9C214-2	SmartSwitch 9000 intelligent DC power supply module	$3,995
9C300-1	SmartSwitch 9000 environmental module (horizontal module, does not occupy one of the 14 slots)	$3,379
9C206-1	SmartSwitch 9000 6-slot power supply module (AC power)	$2,195
9C306	SmartSwitch 9000 6-slot chassis system monitor module	$1,195

SMARTSWITCH 6500 ATM BACKBONE SWITCH

Features

- 10 Gbps, 10-slot non-blocking switching fabric provides deep buffering and high performance
- Highly fault tolerant design includes 1:1 redundant switch fabric and processors, maximizing availability
- Supports all SmartSwitch 6000 modules, integrating ATM with Gigabit Ethernet, Fast Ethernet and FDDI
- Value-added features such as Explicit Rate ABR, and class-based queuing optimize control over QoS and network utilization
- Supports LANE 1.0 and 2.0 including LUNI 2.0-dependent applications like Multicast and MPOA
- Supports LAN and WAN interfaces DS-1/E-1 through OC-12; OC-48 ready
- Supports web-based element management

Ideal for multiservice networks

Designed for the most demanding backbone applications, the SmartSwitch 6500 incorporates high port capacity, redundant design, standards-based routing and superior traffic and congestion management. By focusing on performance, reliability and manageability, it can provide the core switching element for campus and enterprise backbone networks, major data aggregation centers, Internet service providers and competitive local carriers. Its high performance, unmatched fault tolerance, broad feature set and standards compliance make it the industry's premier multiservice backbone ATM switch.

The SmartSwitch 6500 is an extension of the industry-leading SmartSwitch 6000. Customers can buy a new complete SmartSwitch 6500 chassis or convert their existing 6000 to SmartSwitch 6500.See it on the web at **www.cabletron.com/products/items/6C110/**.

Ordering Information

Part #	Description	List Price
6C110	SmartSwitch 6500 chassis with cell switching backplane and frame transfer matrix backplane	$5,995
6C210-1/6C210-2	800 watt AC/DC power supply for the SmartSwitch 6500	$2,995
6A-CSM512	Cell Storage Module with 512K buffers for the SmartSwitch 6500 (1 required, second for redundancy)	$2,995
6A-TSM512	Translation/switching module for the SmartSwitch 6500 (max of 8 in 6C110 chassis)	$4,995
6A-CPU66	CPU with 66 MHz processor and 128 Mb DRAM for 6A-TSM512 (1 required, second for redundancy)	$3,995

DECSERVER 700

Features

- Support for a wide range of asynchronous applications and protocols including Telnet, LAT, Rlogin, TN3270, SLIP, PPP, LPD, DHCP and more
- Port speeds up to 115.2 Kbps supporting the fastest asynchronous modems
- Flash RAM-software stored onboard in non-volatile memory so no load host is required to boot
- Authentication, authorization and accounting capability via the RADIUS standard and supports most other common security schemes to protect network from intrusion
- Management tools including a Windows 98/NT GUI interface, a command line interface for power users and SNMP support for enterprise management

Multiprotocol asynchronous device server

The DECserver 700 multiprotocol asynchronous device server provides an ideal solution for connecting terminals, printers, modems, bar-code-readers, scanners, cash registers, laboratory instruments, numerically controlled factory equipment, system console ports or remote dial-up users to an Ethernet network.

A standalone device which can be rack or tabletop mounted, the DECserver 700 provides 16 ports for connecting asynchronous devices to an Ethernet network via either 10Base-T or standard (AUI) Ethernet ports. It offers the ideal mix of performance, reliability and manageability to support an array of customer applications including factory and laboratory automation, retail point-of-sale, telecommuting, legacy terminal-to-host and console port management. See it on the web at **www.cabletron.com/digital/dr/npg/dsrvw-mn.html**.

Ordering Information

Part #	Description	List Price
DSRVW-G#*	16-port asynchronous device server (Includes Cabletron Network Access Software and licenses and 2 MB Flash card)	$4,090
QB-OLWAA-WA	DECserver network access software, media, and documentation (included with the DSRVW-GH)	
H8585-AA	DB9-to-MJ8 adapter for PC serial port. Used with BN25G cable to connect to a pc to the DEC server console port	$11
BN25G-03	Straight through three meter MP8-to-MP8 patch cord [Also available in one meter (-01), four meter (-04) and seven meter (-07) lengths]	

*When ordering the DECserver 700, replace the "#" variable with "A" for load-host based systems or "C" for integral FLASH and software systems.

DECHUB 90

Stackable, hub-based workgroup solution

The DEChub 90 workgroup chassis is the industry's only stackable and hub-based solution in one product. It is designed to support the communication needs of today's workgroups in small to mid-size companies, and the expanding communications in corporate enterprise-wide networks.

Built as a multifunctional Ethernet-based backplane, the DEChub 90 chassis provides mounting, power and ThinWire Ethernet backbone connection to accommodate up to eight Digital 90-series modules. This family of modules includes a variety of Digital repeaters, access servers, bridges, wide area routers and an SNMP management module. Each can be configured for use as a standalone device, a stackable in the MultiStack System, or a module in the DEChub 90 chassis. In addition, these modules are hot swappable. See it on the web at **www.cabletron.com/digital/dr/npg/dehub-mn.html**.

Features

- Plug-and-play functionality
- Hot-swappable module replacement
- Eliminates the central processor for higher throughput without a common single point of failure
- Simple, low-cost, graphical SNMP management based on Microsoft Windows
- Features a rich variety of module functionality, including repeater and bridge fiber-optic support and wide area routing, which permits links from the workgroup to other remote groups

Ordering Information

Part #	Description	List Price
DEHUB-##	DEChub 90 chassis (includes power supply, rackmount brackets, documentation, and one ThinWire cable)	$790
DEHUX-FA	DEChub 90 cover assembly (includes cover plus wallmount and patch panel brackets)	$190
H7876-##	Replacement power supply	
DETRX-S#	MultiStack Unit - allows any one module to be utilized alone or stacked up to 16 units high (includes rackmount kit and integral power supply) # indicates country variant for proper power cord.	$250

SMARTSWITCH ACCESS 700

High-performance, low-cost dial solution with application control

BEST OF SHOW 99 N+I 99 • ATLANTA

Enterprises seeking increased productivity and communication are providing dial-up access to their telecommuting employees and business partners. This expansion is creating challenges in security, accounting and network management. Cabletron's SmartSwitch Access 700 series of remote access concentrators delivers the lowest cost dial solutions with the best application performance and most advanced connection management available today. The SSA700 provides high-density ISDN/V.90 concentration of telecommuter and small office/home office dial-up traffic in a compact, stackable form factor with a feature set that safeguards investment. It is also available as HSIM modules for integration into SmartSwitch 2000, 6000 and 9000. See it on the web at **www.cabletron.com/products/items/SSA7xx**.

Features

- Supports IP application-aware flow accounting and security policies to track and control remote access network usage by TCP/IP applications
- Supports true user-based Access Control Policies (ACPs)—not simply device-based Access Control Lists (ACLs)
- Per-port pricing 20% to 50% below competing solutions
- Advanced "AAA" support via companion SQL-based SPECTRUM Connection Services Manager
- Redundant power supply standard

Ordering Information

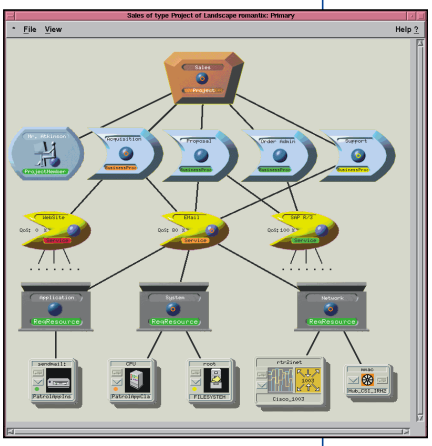
Part #	Description	List Price
SSA710-48	Stackable, 2 T1/PRI, 48 V.90 modems, single 10Base-T, redundant power	$11,995
SSA720-60	Stackable, 2 E1/PRI, 60 V.90 modems, single 10Base-T, redundant power	$13,495
HSIM-SSA710-48	HSIM, 2 T1/PRI, 48 V.90 modems	$11,495
HSIM-SSA720-60	HSIM, 2 E1/PRI, 60 V.90 modems	$13,495
HSIM-SSA710	HSIM, 1 T1/PRI, 24 V.90 modems WPIM slot for second PRI	$8,495
HSIM-SSA720	HSIM, 1 E1/PRI, 24 V.90 modems (add 2nd E1/PRI w/optional WPIM-RE1)	$8,495

SPECTRUM

Features

- Auto fault isolation technology significantly reduces network "downtime" and data loss
- Background AutoDiscovery provides increased flexibility and automation
- Enhanced Enterprise Configuration Manager allows global loading, capturing and verifying of configurations
- Event Configuration Editor provides powerful GUI to map traps to events and alarms
- Distributed Client Application Preferences let you customize and save environments
- Switch management application provides foundation for management of pure Layer 2 environment
- SPECTRUM Resolution Expert includes default case libraries

Multivendor, distributed enterprise and service provider management



SPECTRUM offers enterprise networks and service providers an award-winning architecture with superior functionality in fault, configuration, service availability and performance management. And SPECTRUM's unique third-party support reinforces this advantage with more options for addressing today's complex management requirements.

SPECTRUM is unique from all other management software in that it represents IT infrastructures from a business-services perspective. SPECTRUM is the only management platform that actually provides functionality to formulate and achieve IT and business goals while planning forward-thinking management strategies—all in a proactive, easy-to-understand environment. With on-board tools and informative help screens, SPECTRUM lets you probe deeper into the complex layers of networked resources—discovering, learning, automating, resolving, and troubleshooting. SPECTRUM's completely scalable suite of management services and applications can be simply deployed with a minimum of technically trained staff, as business and network management needs dictate.

The complete SPECTRUM solution is compatible with Microsoft Windows NT 4.0 and Solaris 2.5.1 and 2.6. SPECTRUM can discover the condition of applications and databases; enable administrators and planners to make accurate conclusions and accelerate diagnostic time; understand the relationships shared between network, systems and applications entities; provide an intelligent foundation for long-term capacity and SLA planning; and map IS relationships to business priorities for cohesive, business-based decisions.

SPECTRUM's menus have been tuned with real user behaviors in mind, providing better task-oriented software that allows for controlled, precise and fully customized preference settings for discovering, tracking, reporting, sorting, filtering and auto-resolving alarms, configurations, SLA priorities and more. Simply put, SPECTRUM enables you to meet and exceed the demands of strict service availability and delivery requirements by providing an intuitive, system-centric model that understands the complex relationships and dependencies of business-critical IT environments.

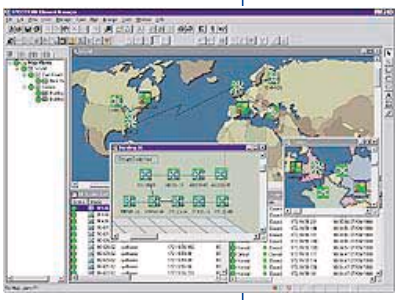
For more information or to order SPECTRUM, talk to a Cabletron authorized SPECTRUM reseller. You can also call a SPECTRUM representative directly at (603) 337-1588. Or, visit SPECTRUM on the web at **www.aprisma.com**.

SPECTRUM ELEMENT MANAGER

Features

- Easy-to-use, Windows-based network management software for all Cabletron and SNMP-compliant devices
- Integrated Scheduler automates common network management and maintenance tasks
- Device management support for Cabletron's SmartSwitch family
- Full RMON support for Ethernet and Token Ring
- Network Discover Utility for automated device database population
- Customizable list views can be sorted by any criteria with a simple mouse click

Network element management solution for SmartSwitches



SPEL is an easy-to-use network management application that provides comprehensive remote management support for Cabletron's intelligent network management devices as well as any SNMP MIB I or MIB II manageable devices. An intelligent, OLE- and ODBC-compliant application, SPEL will allow you to embed applications such as spreadsheets into its network maps for easy charting of statistics. These features also allow you to export management information to other applications and databases. SPEL easily automates many time consuming network tasks, significantly cutting costs by reducing administration time and freeing up resources. It is the industry's most efficient and easy-to-use mid-range management solution, and it does not require a separate management platform to operate.

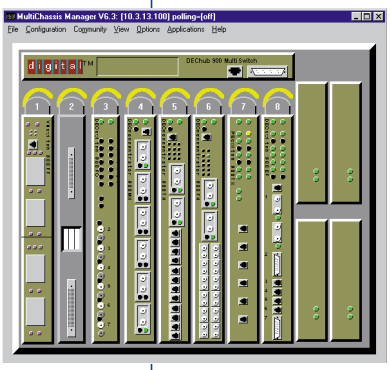
SPEL 2.2 provides many advanced features including network troubleshooting, enhanced monitoring and management features, robust alarm and event management, network discovery, user-configurable maps, group element management and integrated scheduling. It also offers dockable tool palettes and a fully configurable workspace for storing list views, alarm and event views, tree views and maps.See it on the web at **www.cabletron.com/products/items/SPEL-MGR**.

Ordering Information

Part #	Description	List Price
SPEL-MGR	SPECTRUM Element Manager 2.2 for Windows	$4,995
SPEL-UGKIT	SPECTRUM Element Manager 2.2 for Windows Upgrade	$1,500
SPEL-EVAL	SPECTRUM Element Manager 2.2 for Windows Eval CD	N/A

CLEARVISN

Policy-based network management to eliminate downtime


MultiChassis Manager V6.3: [10.3.13.100] polling-[off]
File Configuration Community View Options Applications Help
digital
DEChub 900 Multi Switch
1 2 3 4 5 6 7 8

*clear*VISN is the most comprehensive, network management product set for Digital network devices. This family of applications reduces cost of network ownership while increasing network availability. The integrated product set uses a common device database and a common look and feel, reduced setup time and training cost. *clear*VISN puts high-level network control at your fingertips—simplifying configuration and management of complex devices and technologies, while delivering a clear picture of vital network data.

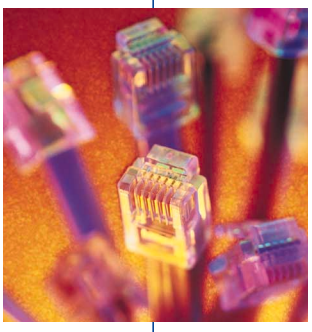
Version 3.0 now allows the network manager to manage the network from anywhere using just a web browser. It also has added device management support for a number of new MultiSwitch 900 devices, including the MultiSwitch Hub 924TX and the VNswitch 900CC, 900CG, and 900GV. Following V3.0, *clear*VISN will merge with other Cabletron device management applications giving you a simple, straightforward upgrade path to manage all of Cabletron's network devices. See it on the web at **www.cabletron.com/digital/dr/npg/clrvn-mn.html**.

Features

- Web-style management allows the MultiSwitch 900 to be managed from anywhere using common web browsers
- Simple moves, adds and changes with graphical, point-and-click interface from a PC or UNIX workstation
- Distributed intelligent agents move fault monitoring to the network devices themselves, reducing polling overhead and improving response time
- Reduced management effort, less training and lower costs with screens that ease complex operational tasks
- Protects investments by integrating easily with popular enterprise network management systems on Windows 95, 98, NT and UNIX

CABLETRON CABLING

Structured wiring system



Cabletron structured wiring products are standards based and rigorously tested at the component and systems level to maximize your hardware investment. Gigabit, ATM, FDDI and Fast Ethernet ready equipment cables that include twisted pair and fiber optic media are designed for quality, trouble-free connectivity from the backbone to the desktop.

If you are installing the SmartSwitch Router 8000, 8600, 2000; SmartSwitch 6000, 6500, 9000; SmartSTACK 10/100/1000 VNswitch 900; DEChub 90; or GIGAswitch/FDDI, use the following cable assemblies for the office and equipment room. See them on the web at **www.cabletron.com/products/items/cables**.

Features

Category 5 cable assembles:

- Enhanced Category 5 performance
- Factory tested for standards compliance
- Unique overmold design for strain relief and stabilized performance
- Notched ramp for anti-snag and enhanced latch access

Fiber Optic cable assembles:

- Zirconia ceramic ferrules for quality and long-term reliability
- Color-coded boots for easy polarity identification
- Factory tested for performance and quality

Ordering Information

Port Type	Part #	Description	List Price
Console port	BC29Q-10	DB9-DB9, Female Crossover, Null Modem Cable	$37
	BC29P-10	DB9, Female -DB25, Male Modem Cable	$35
Control module 10/100Base-T	BN24Q-**	10/100Base-T Crossover Cable, UTP	*
	BN28Q-**	10/100Base-T Crossover Cable, ScTP	*
10/100Base-T Data Ports	BN25G-**	10/100Base-T Non-Crossover Cable, UTP	*
	BN26M-**	10/100Base-T Non-Crossover Cable, ScTP	*
	9360306-**	100 MB Telco 120 to Hydra, PVC	
	9360300-**	100 MB Telco 120 to Both Ends, PVC	
100Base-FX 1000Base-SX	BN34A-**	ST-SC, Multimode, Duplex Cable	*
	BN34B-**	SC-SC, Multimode, Duplex Cable	*
	BN34C-**	ST-ST, Multimode, Duplex Cable	*
	9380513-**	62.5 Micron Multimode SC-MTRJ***	
	9380514-**	62.5 Micron Multimode MTRJ-MTRJ***	
	9380515-**	62.5 Micron Multimode MTRJ-ST	
GIGAswitch/FDDI	BN24B-**	FDDI-FDDI (MIC) Multimode, Duplex Cable	*
	BN24D-**	FDDI (MIC) ST Multimode, Duplex Cable	*
	BN34D-**	FDDI (MIC) SC Multimode, Duplex Cable	*
1000Base-LX	BN34R-**	SC-SC, Single Mode, Duplex Cable	*
	BN34S-**	ST-SC, Single Mode, Duplex Cable	*
	BN34T-**	ST-ST, Single Mode, Duplex Cable	*

* Pricing is determined by specific cable assembly length. Consult your supplier. ** Specifies available cable lengths.
*** 50 Micron cables are also available. Consult your supplier or visit www.cabletron.com for additional structured wiring offerings.

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CABLETRON SYSTEMS

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